

In the claims

1.-27. (cancelled)

28. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering  $n$ , the method comprising for each color component and for each pixel:

where an interpretation bit for the value of the pixel for the color component is a first value, displaying the color component for the pixel as the value of the pixel for the color component; and,

where the interpretation bit for the value of the pixel for the color component is a second value, displaying the color component for the pixel as one of:

$[[2n]] \ 2^n$  plus the value of the pixel for the color component;

$[[[-2n]] \ -2^n$  plus the value of the pixel for the color component;

0.5 plus the value of the pixel for the color component;

where the most significant bit of the plurality of bits of the value of the pixel for the color component is a first value,  $[[[-2n-1]] \ -2^{n-1}$  plus a value equal to the least significant  $(n-1)$  bits of the plurality of bits of the value of the pixel for the color component; and,

where the most significant bit of the plurality of bits of the value of the pixel for the color component is a second value,  $[[[2n]] \ 2^n$  plus a value equal to the least significant  $(n-1)$  bits of the plurality of bits of the value of the pixel for the color component.

29. (original) The method of claim 28, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

30. (original) The method of claim 28, wherein  $n = 8$ .

31. (original) The method of claim 28, wherein displaying the image data comprises forming an image on media.

32. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering  $n$ , the method comprising for each color component and for each pixel, where the value of the pixel for the color component has a pair of interpretation bits,

where the pair of interpretation bits for the value of the pixel for the color component has a first pair of values, displaying the color component for the pixel as the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a second pair of values, displaying the color component for the pixel as  $[[2n]] \underline{2}^n$  plus the value of the pixel for the color component; and,

where the pair of interpretation bits for the value of the pixel for the color component has a third pair of values, displaying the color component for the pixel as  $[[ -2n]] \underline{-2}^n$  plus the value of the pixel for the color component.

33. (original) The method of claim 32, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

34. (original) The method of claim 32, wherein displaying the image data comprises forming an image on media.

35. (currently amended) A method for displaying image data having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, each value having a plurality of bits numbering  $n$ , the method comprising for each color component and for each pixel, where the value of the pixel for the color component has a pair of interpretation bits,

where the pair of interpretation bits for the value of the pixel for the color component has a first pair of values, displaying the color component for the pixel as the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a second pair of values, displaying the color component for the pixel as  $0.5$  plus the value of the pixel for the color component;

where the pair of interpretation bits for the value of the pixel for the color component has a third pair of values, displaying the color component for the pixel as  $[[2n]] \frac{2^n}{2}$  plus (the value of the pixel for the color component divided by  $2$ ); and,

where the pair of interpretation bits for the value of the pixel for the color component has a fourth pair of values, displaying the color component for the pixel as  $[[ -2n-1 ]] \frac{-2^n-1}{2}$  plus (the value of the pixel for the color component divided by  $2$ ).

36. (original) The method of claim 35, wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component.

37. (original) The method of claim 35, wherein displaying the image data comprises forming an image on media.

38.-47. (cancelled)

48. (currently amended) A system comprising:

a processor;

a computer-readable medium having image data stored thereon having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, the value of the pixel for each color component having at least one interpretation bit; and,

a computer program executed by the processor to display each color component for each pixel based on a value of the at least one interpretation bit for the value of the color component for the pixel,

wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component, and

wherein the value of each pixel for each color component comprises 8 bits, the values of the pixel for two of the red, green, and blue color components each having a pair of interpretation bits, and the value of the pixel for the other of the red, green, and blue color components having a single interpretation bit.

49. (cancelled)

50. (cancelled)

51. (original) The system of claim 48, wherein the computer program is executed from the computer-readable medium on which the image data is stored.
52. (original) The system of claim 48, wherein the computer program is executed from a different computer-readable medium than the computer-readable medium on which the image data is stored.
53. (original) The system of claim 48, further comprising a display on which the computer program displays each color component for each pixel.
54. (currently amended) A system comprising:  
a computer-readable medium having image data stored thereon having a plurality of pixels, each pixel having a plurality of values corresponding to a plurality of color components of a color space, the value of the pixel for each color component having at least one interpretation bit; and,  
means for displaying each color component for each pixel based on a value of the at least one interpretation bit for the value of the color component for the pixel,  
wherein the color space is a red-green-blue (RGB) color space, the plurality of color components of the color space comprising a red color component, a green color component, and a blue color component, and wherein the value of each pixel for each color component comprises 8 bits, the values of the pixel for two of the red, green, and blue color components each having a pair of interpretation bits, and the value of the pixel for the other of the red, green, and blue color components having a single interpretation bit.
55. (cancelled)
- 56.-60. (cancelled)